

A Technology Roadmap for Generation IV Nuclear Energy Systems, and Supporting Documents

**CD-ROM
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Working Group Reports

GIF-001-00	Generation IV Roadmap: Executive Summary
GIF-002-00	A Technology Roadmap for Generation IV Nuclear Energy Systems
GIF-003-00	Generation IV Roadmap: R&D Scope Report for Water-Cooled Reactor Systems
GIF-004-00	Generation IV Roadmap: R&D Scope Report for Gas-Cooled Reactor Systems
GIF-005-00	Generation IV Roadmap: R&D Scope Report for Liquid-Metal-Cooled Reactor Systems
GIF-006-00	Generation IV Roadmap: R&D Scope Report for Nonclassical Reactor Systems
GIF-007-00	Generation IV Roadmap: Crosscutting Economics R&D Scope Report
GIF-008-00	Generation IV Roadmap: Crosscutting Energy Products R&D Scope Report
GIF-009-00	Generation IV Roadmap: Crosscutting Fuel Cycle R&D Scope Report
GIF-010-00	Generation IV Roadmap: Crosscutting Fuels and Materials R&D Scope Report
GIF-011-00	Generation IV Roadmap: Crosscutting Risk and Safety R&D Scope Report
GIF-012-00	Generation IV Roadmap: Final Screening Evaluation Methodology Report
GIF-013-00	Generation IV Roadmap: Viability and Performance Evaluation Methodology Report
GIF-014-00	Generation IV Roadmap: Fuel Cycle Assessment Report
GIF-015-00	Generation IV Roadmap: Description of Candidate Water-Cooled Reactor Systems Report
GIF-016-00	Generation IV Roadmap: Description of Candidate Gas-Cooled Reactor Systems Report
GIF-017-00	Generation IV Roadmap: Description of Candidate Liquid-Metal-Cooled Reactor Systems Report
GIF-018-00	Generation IV Roadmap: Description of Candidate Nonclassical Reactor Systems Report

System Evaluation Spreadsheet Tool and Evaluations

To open these Excel files click [here](#).

GIF-020-00	Generation IV Roadmap: System Evaluation Spreadsheet Tool
GIF-021-00	Generation IV Roadmap: Evaluation of Integral Primary System Reactor Systems
GIF-022-00	Generation IV Roadmap: Evaluation of Simplified Boiling Water Reactor Systems
GIF-023-00	Generation IV Roadmap: Evaluation of Advanced CANDU 700 Reactor Systems
GIF-024-00	Generation IV Roadmap: Evaluation of Supercritical Water Reactor—Thermal Spectrum Systems
GIF-025-00	Generation IV Roadmap: Evaluation of Supercritical Water Reactor—Fast Spectrum Systems
GIF-026-00	Generation IV Roadmap: Evaluation of High Conversion Boiling Water Reactor Systems
GIF-027-00	Generation IV Roadmap: Evaluation of Pebble Bed Modular Reactor Systems
GIF-028-00	Generation IV Roadmap: Evaluation of Prismatic Modular Reactor Systems
GIF-029-00	Generation IV Roadmap: Evaluation of Very High Temperature Reactor Systems
GIF-030-00	Generation IV Roadmap: Evaluation of Generic High Temperature Gas Reactor—Closed Cycle Systems
GIF-031-00	Generation IV Roadmap: Evaluation of Gas Fast Reactor Systems
GIF-032-00	Generation IV Roadmap: Evaluation of Sodium-Cooled, MOX Fuel, Advanced Aqueous Process Systems
GIF-033-00	Generation IV Roadmap: Evaluation of Sodium-Cooled, Metal Fuel, Pyroprocess Systems
GIF-034-00	Generation IV Roadmap: Evaluation of Medium Pb/Pb-Bi Cooled, US Design Systems
GIF-035-00	Generation IV Roadmap: Evaluation of Medium Pb/Pb-Bi Cooled, Russian Design Systems
GIF-036-00	Generation IV Roadmap: Evaluation of Small Pb/Pb-Bi Cooled Reactor Systems
GIF-037-00	Generation IV Roadmap: Evaluation of Liquid Core Reactor Systems
GIF-038-00	Generation IV Roadmap: Evaluation of Gas Core Reactor Systems
GIF-039-00	Generation IV Roadmap: Evaluation of Molten-Salt-Cooled Reactor Systems

Meeting Presentations

ANS Milwaukee Meeting, June 19, 2001

- Concept Sets
- Technology Goals for Gen IV
- Gen IV Project Evaluation Methodology
- Gen IV Initiative
- Gen IV Goals and Roadmap Effort

ANS Reno Meeting, November 13, 2001

- Technology Goals NERAC Subcommittee
- Fuel Cycles
- Evaluation Methodology
- Water-Cooled Reactor Concepts
- Gas-Cooled Reactor Concepts
- Liquid Metal Reactors
- Non-Classical Reactor Systems
- Near-Term Deployment of Nuclear Plants in U.S.
- The Gen IV Roadmap Project

ANS Hollywood, Florida Meeting, June 11, 2002

- Bennett ANS Presentation RS051-00

ANS DC Meeting, November 18, 2002

- Gas Cooled Fast Reactor
- The Supercritical-Water-Cooled Reactor
- Very High Temperature Gas Cooled Reactor Systems
- Gen IV Nuclear Energy System
- Lead-Cooled Fast Reactor
- Molten Salt Reactors
- Sodium-Cooled Fast Reactor

ICONE9 Nice Meeting, April 11, 2001

- Technology Goals-Anghaie

ICONE10 DC Meeting, April 16, 2002

- Gen IV Roadmap Overview-Bennett
- Technical Working Group Progress
- Roadmap Evaluation Methodology
- Gen IV Roadmap Panel

GIF Miami Meeting, October 10–11, 2001

- Miami Meeting Objectives v5
- Miami Roadmap Overview v12
- Miami Roadmap Actions v2
- Miami Secretariat v5

GIF London Meeting, February 18–19, 2002

- GIF Roadmap Update v11
- GIF EMG Presentation v7
- FSR Comments v2
- Fuel Cycle Studies Overview v12
- Concept Selection Process v11
- Future Schedule Slide

GIF Paris Meeting, May 21–22, 2002

- Concept Selection Process v6

GIF Rio Meeting, July 9–10, 2002

- GIF Rio Presentation BP15-00
- GIF Rio Presentation BP16-00
- GIF Rio Presentation BP17-00
- GIF Rio Presentation BP18-00
- GIF Rio Presentation BP19-00
- GIF Rio Presentation BP20-00

GIF Tokyo Meeting, September 19–20, 2002

- RD Interest v6
- Collaboration v1
- Gen IV Communications v3
- Industry Interact v1
- GIF Progress and Plans v6

GRNS DC Meeting, October 2–3, 2001

- RIT Update GRNS GP01-00
- Planned Steps GRNS GP02-00
- Concept Selection GRNS GP03-00
- Fuel Cycle Integration GP04-00
- Crosscut GRNS GP05-00
- Communications GRNS GP06-00
- Risk Based GRNS GP07-00
- FCCG Gen IV Report GRNS GP08-00

GRNS DC Meeting, February 5–6, 2002

Roadmap Update v6 GP09-00
Evaluation Issues v4 GP10-00
Concept Selection Process v8 GP11-00
R&D Plans v5 GP12-00
Nonclassical Issues v5 GP13-00
Crosscut Groups Update v3 GP14-00
GIF Meeting and GRNS Role v3 GP15-00
EMG Presentation GP16-00

GRNS DC Meeting, April 2–3, 2002

GRNS Apr 2-3 Presentation GP19-00
GRNS Apr 2-3 Presentation GP20-00
GRNS Apr 2-3 Presentation GP21-00
GRNS Apr 2-3 Presentation GP22-00
GRNS Apr 2-3 Presentation GP23-00
GRNS Apr 2-3 Presentation GP24-00

GRNS Boston Meeting, June 25–27, 2002

GRNS June 25-27 Presentation GP25-00
GRNS June 25-27 Presentation GP26-00

GRNS June 25-27 Presentation GP27-00

GRNS June 25-27 Presentation GP28-00

GRNS June 25-27 Presentation GP29-00

GRNS June 25-27 Presentation GP30-00

GRNS June 25-27 Presentation GP31-00

GRNS June 25-27 Presentation GP32-00

GRNS DC Meeting, July 31–August 1, 2002

Bennett GRNS DC 7-31-02 Overview v4

NERAC DC Meeting, April 15, 2002

NERAC Meeting 15-Apr-02 NP02-00

NERAC DC Meeting, September 30, 2002

Roadmap Summary NP03-00 09 30 02 v4

EC Karlsruhe Workshop, May 7, 2002

Evaluation Criteria

CEA Cadarache/EAES Sintra, May 2002

Gen IV Roadmap Overview-Versluis